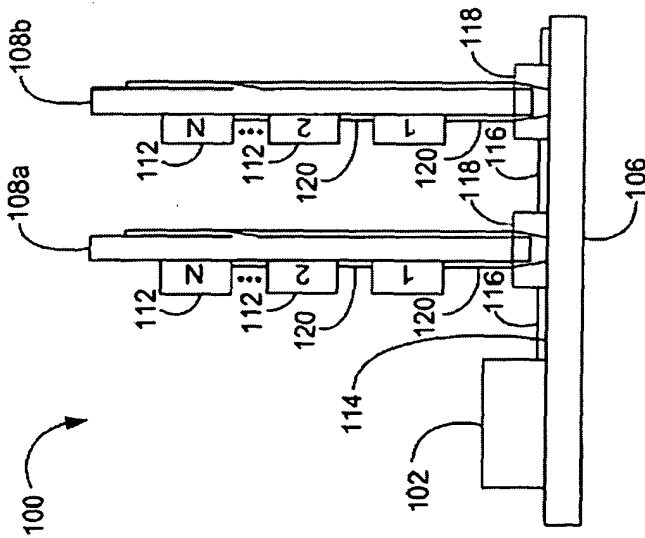FIG. 1B (Background Art)

FIG. 1C (Background Art)
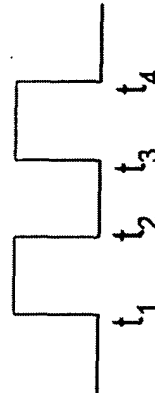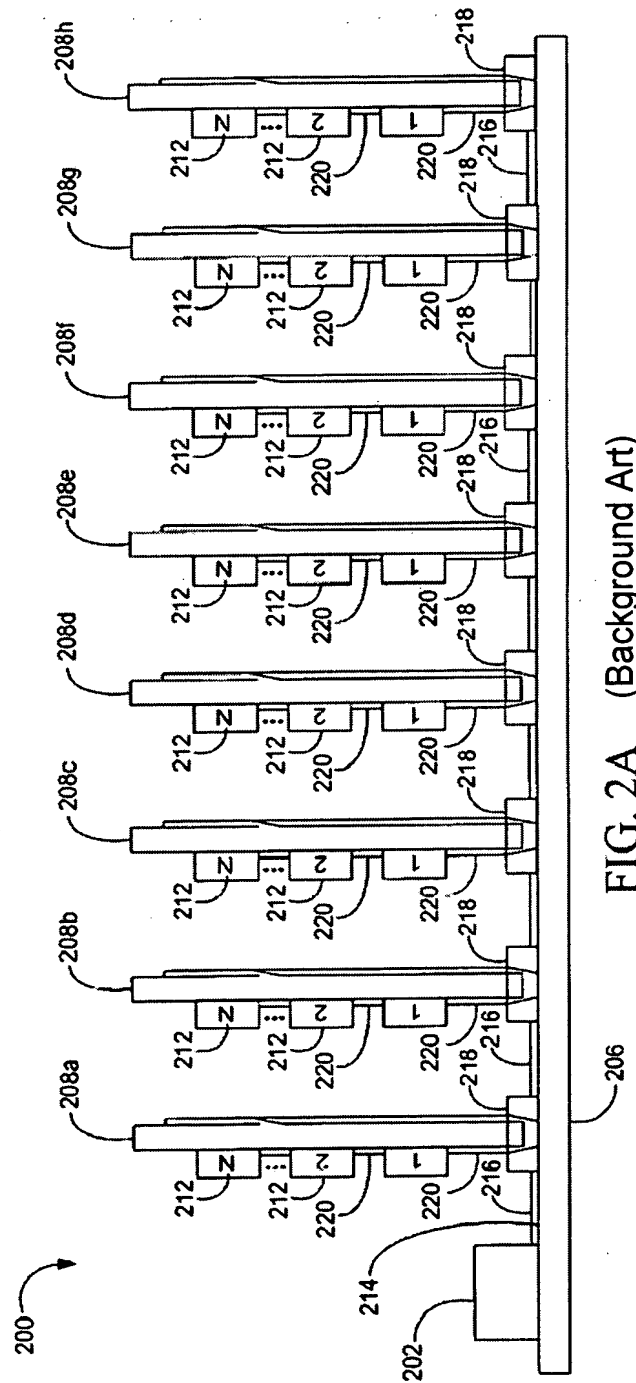
FIG. 1A (Background Art)
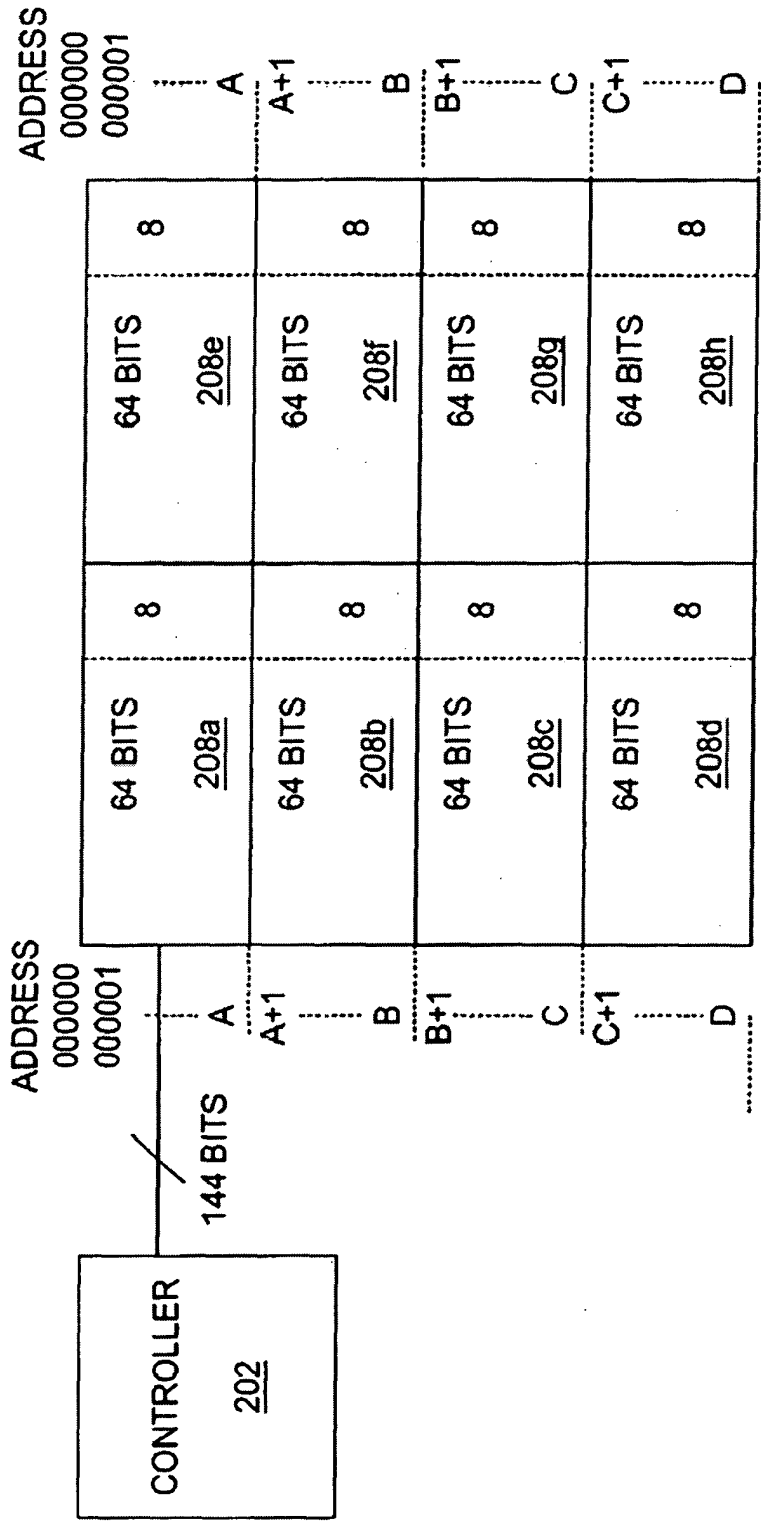
FIG. 2A   (Background Art)

ADDRESS
000000
000001

A
A+1
B
B+1
C
C+1
D

64 BITS	8
208e	
64 BITS	8
208f	
64 BITS	8
208g	
64 BITS	8
208h	

8	64 BITS
	208a
8	64 BITS
	208b
8	64 BITS
	208c
8	64 BITS
	208d

ADDRESS
000000
000001

A
A+1
B
B+1
C
C+1
D

144 BITS

CONTROLLER
202

FIG. 2B   (Background Art)

t_1 t_2 t_3 t_4

FIG. 2C   (Background Art)

```
┌─────────────────────┐
│                     │
│  Detect memory error│
│         302         │
│                     │
└─────────────────────┘
           │
           ▼
┌─────────────────────┐
│  Determine logical  │
│  DIMM number and    │
│   specific DRAM     │
│  unit(s) of memory  │
│       error         │
│        304          │
└─────────────────────┘
           │
           ▼
┌─────────────────────┐
│ Store information on │
│   memory error in    │
│    system log        │
│        306           │
└─────────────────────┘
```

| Use manual to visually locate DIMM 308a | Use web page or external program to visually locate DIMM 308b | Use labels on chassis to visually locate DIMM 308c |

```
┌─────────────────────┐
│                     │
│    Remove DIMM       │
│        310           │
│                     │
└─────────────────────┘
```

FIG. 3
(Background Art)

FIG. 4

Detect memory error
302

Determine logical
DIMM number and
specific DRAM
unit(s) of memory
error
304

Store information on
memory error in
system log
306

Turn on beacon to
draw attention to
DIMM
502

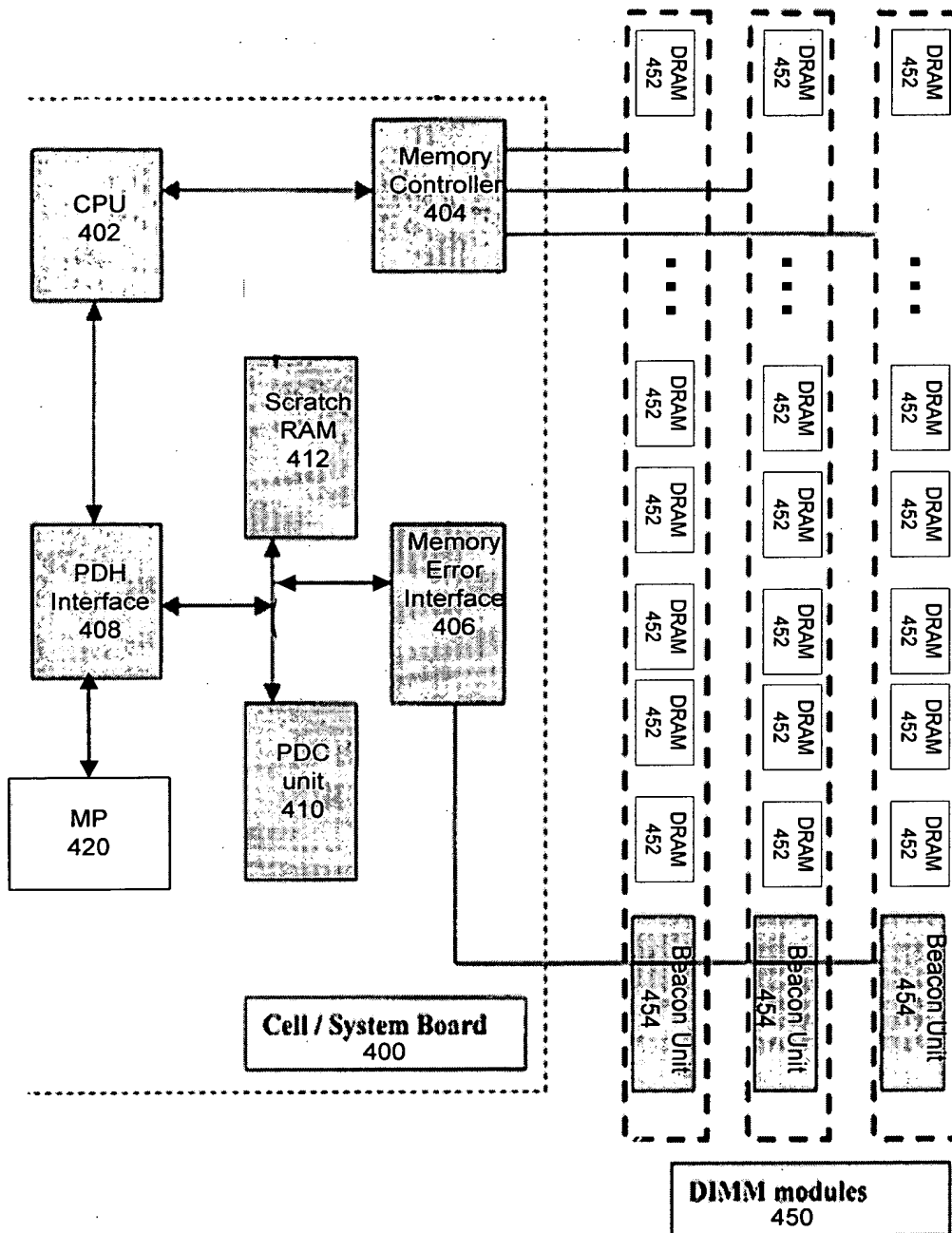Readily visually
locate DIMM with
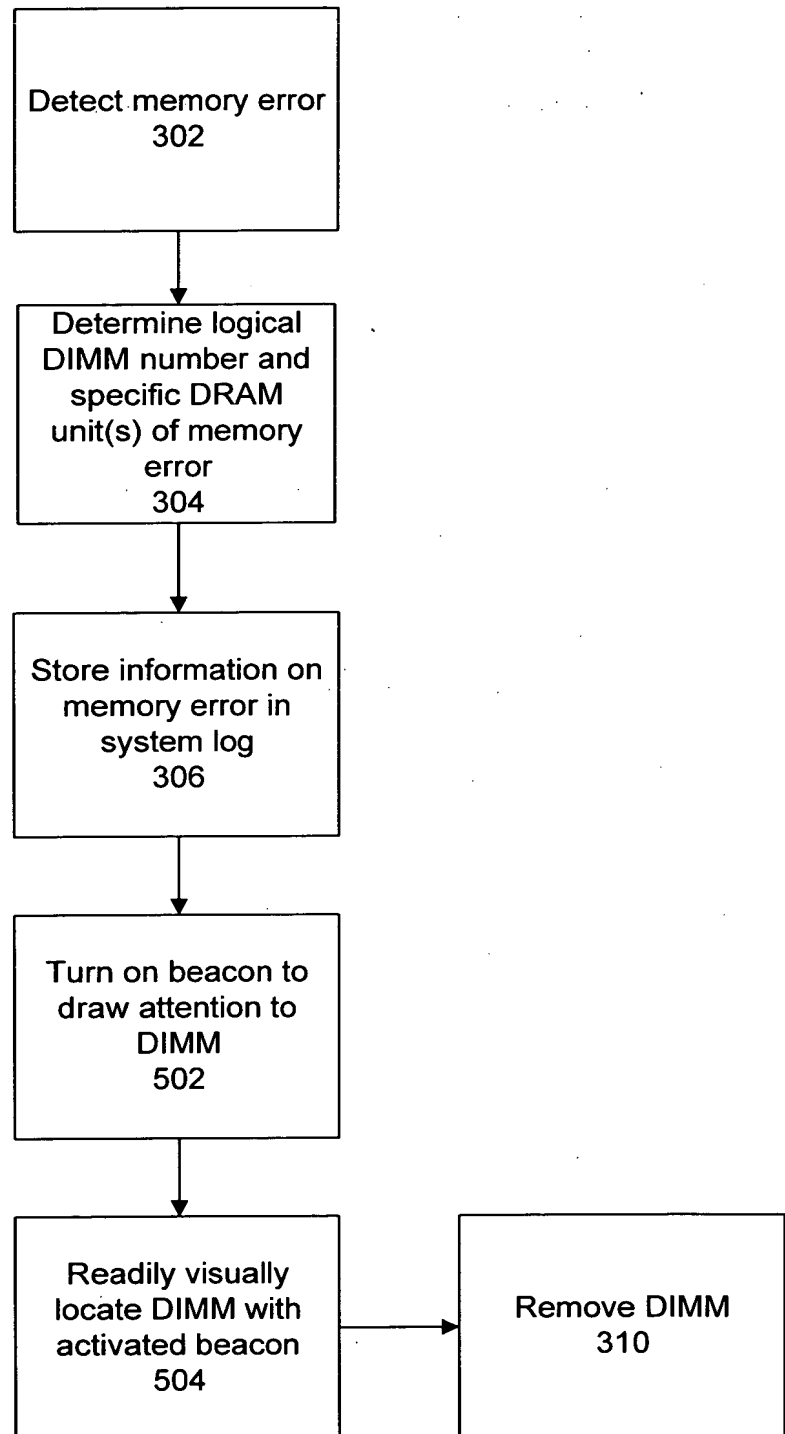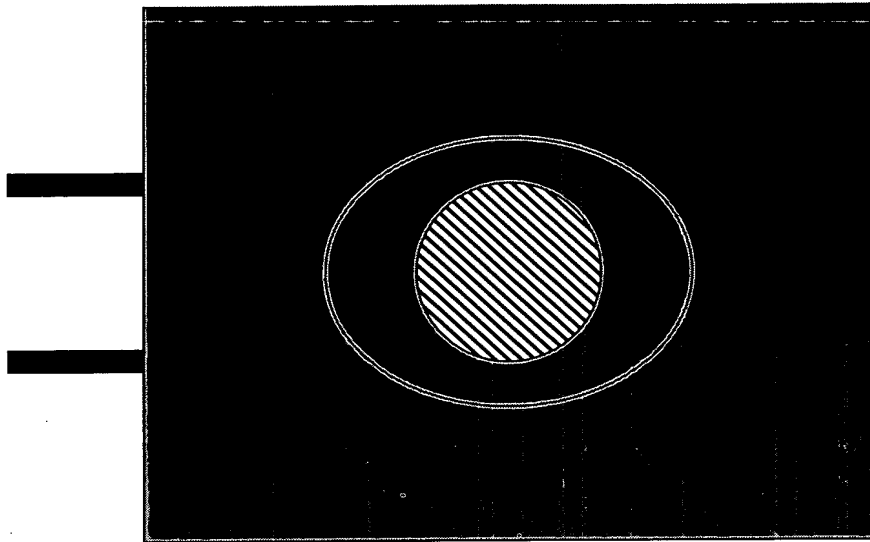activated beacon
504

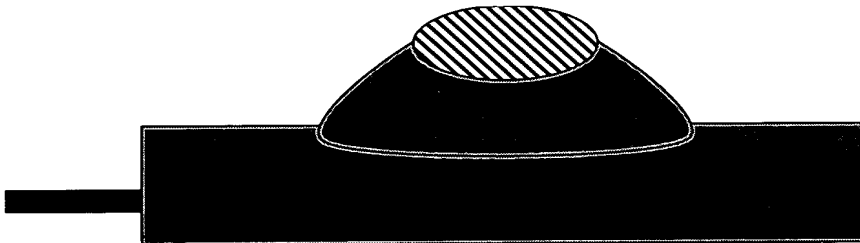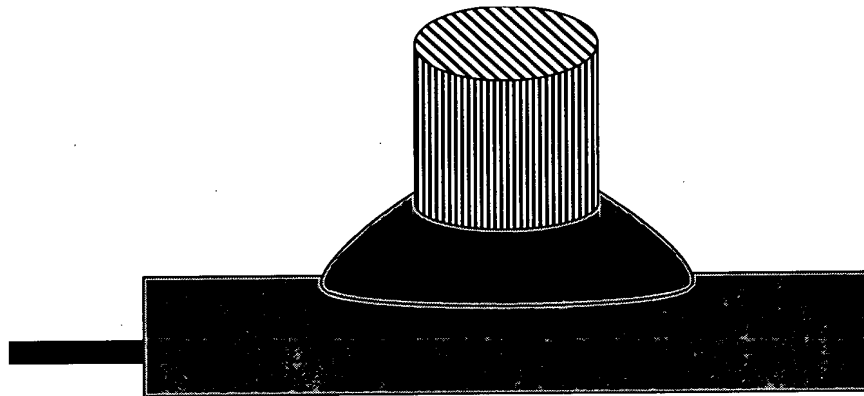Remove DIMM
310

FIG. 5

FIG. 6A
(Plan View)

FIG. 6B
(Perspective View)
(Button Down)

FIG. 6C
(Perspective View)
(Button Up)